

JAN 18 2006

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PATENT, TRADEMARK, COPYRIGHT  
AND UNFAIR COMPETITION LAW  
AND RELATED LITIGATION

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January 18, 2006

## FACSIMILE COVER SHEET

To: Examiner Steven Ho Yin Loke  
Group Unit No. 2811  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Fax: 571-273-8300

From: William R. Allen, Ph.D.

Re: US Application Serial No. 10/777,576  
Filed: February 12, 2004  
Title: VERTICAL CARBON  
NANOTUBE FIELD EFFECT  
TRANSISTOR ARRAYS  
Applicants: Toshiharu Furukawa et al.  
Atty Docket: ROC920030271US1  
(IBM-272)

Pages: 21 (including cover sheet)

## MESSAGE/COMMENTS

Please see the attached Amendment Transmittal (in duplicate), and  
Amendment Under 37 C.F.R. §1.111 for filing in connection with  
the above-referenced application.

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Confirmation No. 6152CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this correspondence is being transmitted via facsimile transmission to Examiner Steven Ho Yin Loke, Art Unit 2811, Mail Stop AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 at 571-273-8300 on January 18, 2006.

William R. Allen  
William R. Allen18 January 2006  
Date

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Furukawa et al.

Art Unit: 2811

Serial No.: 10/777,576

Examiner: Steven Ho Yin Loke

Filed: February 12, 2004

Atty. Docket No.: ROC920030271US1

For: **VERTICAL CARBON NANOTUBE FIELD EFFECT TRANSISTORS AND ARRAYS**

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Mail Stop AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

## AMENDMENT TRANSMITTAL

1. Transmitted herewith is an amendment for this application.
2. ☐ Small Entity status is claimed.  
☒ Other than a Small Entity.

3. The fee has been calculated as shown below:

(Col. 1)		(Col. 2)		(Col. 3)	SMALL ENTITY		LARGE ENTITY	
Claims Remaining After Amendment		Highest No. Previously Paid For		Extra	Present Rate	Fee	Present Rate	Fee
TOTAL	38	MINUS	33	= 5	x \$25	\$0	x \$50	\$250
INDEP.	2	MINUS	2	= 0	x \$100	\$0	x \$200	\$0
FIRST PRESENTATION OF MULTIPLE DEP. CLAIM					+\$135	\$0	+\$270	\$0
TOTALS					TOTAL FEE	\$	TOTAL FEE	\$250

- ☆ If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.  
 ☆☆ If the "Highest No. Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.  
 ☆☆☆ If the "Highest No. Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space.

The "Highest Number Previously Paid for" (Total or Independent) is the highest number found from the equivalent box in Col. 1 of a prior amendment or the number of claims originally filed.

\_\_\_\_\_ No additional fee for claims is required.

4. Attached is a check in the sum of \$\_\_\_\_\_.

  X   Please charge my Deposit Account No. 23-3000 in the amount of **\$ 250.00**. A duplicate copy of this sheet is attached.

5. The proceedings herein are for a patent application and the provisions of 37 CFR 1.136 apply.

Complete (a) or (b) as applicable.

- (a) \_\_\_\_\_ Applicant petitions for an extension of time under 37 CFR 1.136 for the total number of months checked below:

	Extension (months)	Fee for other than small entity	Fee for small entity
___	one month	\$ 120.00	\$ 60.00
___	two months	\$ 450.00	\$225.00
___	three months	\$1,020.00	\$510.00
___	four months	\$1,590.00	\$795.00
___	five months	\$2,160.00	\$1,080.00

\_\_\_ Attached is a check in the amount of \$\_\_\_ for the \_\_\_ month extension fee as required by 37 C.F.R. § 1.17(c)

If an additional extension of time is required, please consider this a petition therefor.

(Check and complete the next item, if applicable)

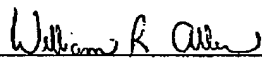
\_\_\_ An extension for \_\_\_ months has already been secured and the fee paid thereof of \$\_\_\_ is deducted from the total fee due for the total months of extension now requested. Extension fee due with this request \$\_\_\_.

OR

(b) X Applicant believes that no extension of time is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition for extension of time.

XX If any additional fee for claims or extension of time is required, charge Account No. 23-3000. A duplicate of this transmittal is attached.

Respectfully submitted,  
WOOD, HERRON & EVANS, L.L.P.

  
William R. Allen  
Reg. No. 48,389

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Cincinnati, Ohio 45202  
(513) 241-2324

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IBM/272  
Confirmation No. 6152**CERTIFICATE OF FACSIMILE TRANSMISSION**

I hereby certify that this correspondence is being transmitted via facsimile transmission to Examiner Steven Ho Yin Loke, Art Unit 2811, Mail Stop AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 at 571-273-8300 on January 18, 2006.

William R. Allen 18 January 2006  
William R. Allen Date

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Furukawa et al. Art Unit: 2811  
Serial No.: 10/777,576 Examiner: Steven Ho Yin Loke  
Filed: February 12, 2004 Atty. Docket No.: ROC920030271US1  
For: **VERTICAL CARBON NANOTUBE FIELD EFFECT TRANSISTORS AND ARRAYS**

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**AMENDMENT UNDER 37 C.F.R. § 1.111**

Mail Stop AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In reply to the Office Action dated November 3, 2005, please amend the above-identified application as follows:

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 3 of this paper.

**Remarks** begin on page 11 of this paper.

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Page 1 of 13  
Serial No. 10/777,576  
Amendment and Response dated January 18, 2006  
Reply to Office Action of November 3, 2005  
IBM Docket ROC920030271US1  
WH&E IBM/272  
K:\bm272\Response to 110305 Office Action.wpd